

What is claimed is:

1. A capacitor, which comprises:
  - a) a casing providing an enclosure;
  - b) a first anode contained inside the casing, the first anode having a first feedthrough electrically connected thereto and extending outside the casing, wherein the first feedthrough is insulated from the casing;
  - c) a second anode contained inside the casing, the second anode having a second feedthrough electrically connected thereto and extending outside the casing, wherein the second feedthrough is insulated from the casing;
  - d) a cathode of a cathode active material contained inside the casing and operatively associated with at least a portion of each of the first and second anodes; and
  - e) an electrolyte provided inside the casing to operatively associate the cathode active material with the first and second anodes.
2. The capacitor of claim 1 wherein the first and second anodes are connected to a common terminal external of the casing.
3. The capacitor of claim 1 wherein the casing is the terminal for the cathode.
4. The capacitor of claim 1 wherein the feedthroughs for the first and second anodes are isolated from the casing by respective glass-to-metal seals.

5. The capacitor of claim 1 wherein the feedthroughs for the first and second anodes are spaced apart from each other but isolated from the casing by a single glass-to-metal seal.
6. The capacitor of claim 2 including a bridge having first and second openings that receive the first and second feedthroughs when the bridge is supported on the casing and electrically isolated therefrom.
7. The capacitor of claim 6 wherein the bridge is secured to the first and second feedthroughs by a solder or weld material in the first and second openings.
8. The capacitor of claim 6 wherein the bridge is deformed into contact with the first and second feedthroughs.
9. The capacitor of claim 6 wherein the bridge supports an anode terminal intermediate the first and second feedthroughs.
10. The capacitor of claim 6 wherein the bridge comprises an extension that supports an anode terminal.
11. The capacitor of claim 6 wherein the bridge is an inverted U-shaped member having spaced apart first and second legs that mate with the first and second feedthroughs, respectively.

12. The capacitor of claim 6 wherein the bridge comprises first and second pairs of ears deformable into contact with the first and second feedthroughs, respectively.

13. The capacitor of claim 6 wherein at least one of the first and second feedthroughs comprises an extension portion that is substantially greater in length than the other feedthrough to provide a bar for connection to a load.

14. The capacitor of claim 1 wherein the casing comprises first and second portions, the first portion having a first face wall extending to a surrounding first sidewall and the second portion having a second face wall extending to a surrounding second sidewall, and wherein the first and second sidewalls are secured together to provide the casing.

15. The capacitor of claim 14 wherein the first and second face walls support the cathode active material opposite the respective first and second anodes.

16. The capacitor of claim 14 wherein a current collector is disposed intermediate the first and second anodes, the current collector having opposed first and second major faces provided with cathode active material and positioned opposite the first and second anodes.

17. The capacitor of claim 1 wherein the first and second anodes comprise tantalum and the cathode active material comprises ruthenium.

18. A method for providing a capacitor, comprising the steps of:

- a) providing a casing comprising a first casing portion and a second casing portion;
- b) positioning a first anode inside the first casing portion, the first anode having a first feedthrough electrically connected thereto and extending outside the first casing portion and including insulating the first feedthrough from the first casing portion;
- c) positioning a second anode inside the second casing portion, the second anode having a second feedthrough electrically connected thereto and extending outside the second casing portion and including insulating the second feedthrough from the second casing portion;
- d) positioning a cathode of a cathode active material inside at least one of the first and second casing portions;
- e) securing the first casing portion to the second casing portion to provide an enclosure containing the first and second anodes and the cathode; and
- f) providing an electrolyte inside the casing to operatively associate the cathode with the first and second anodes.

19. The method of claim 18 including beginning charging the first anode followed by beginning charging the second anode after charging the first anode has already begun.

20. The method of claim 18 including charging the first and second anodes independent of each other.

21. The method of claim 18 including connecting the first and second anodes to a common terminal external of the casing, and then charging them simultaneously.